

Permanent magnet synchronous machine

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Abstract of EP0955714

A permanent magnet synchronous machine comprising a stator (11) and a rotor (12), which in turn comprises a rotor sheet pack laminated from hot plates, the sheets of the pack being provided with openings which form cavities in the sheet pack, and permanent magnets (13) placed in the cavities of the rotor sheet pack. According to the invention, the shape of the outer circumference (14) of the rotor sheets and the location and cross-sectional shape of the permanent magnets (13) are adapted to each other such that the air gap flux density in an air gap (15) between the stator (11) and the rotor (12) of the machine varies substantially sinusoidally.

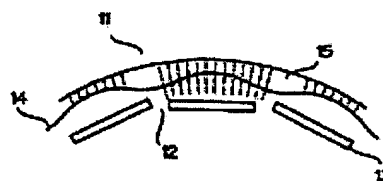


Fig. 3

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